Record of Discussion between
the Federal Minister of Education and Research of the Federal Republic of Germany
and the Minister of State for Science and Technology Policy of Japan
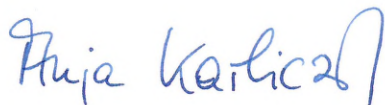
The Federal Minister of Education and Research of the Federal Republic of Germany, Anja KARLICZEK, and the Minister of State for Science and Technology Policy of Japan, Takuya HIRAI, exchanged their views on bilateral cooperation in science, technology and innovation in Tokyo on April 15, 2019, and confirmed the mutual recognition as follows;

1. Artificial Intelligence (AI) has developed towards a key technology worldwide. The rapid technological development in this field and the global changes in production and value chains accelerated by new AI technologies has to be taken into account for the future cooperation between Germany and Japan. Research and innovation are the foundations for the AI technologies of the future. On February 4, 2019, Chancellor Angela MERKEL and Prime Minister Shinzo ABE shared the view that they would further advance collaboration between Germany's Industry 4.0 and Japan's Society 5.0, and affirmed that the two countries would strengthen joint research in the areas of automated driving, AI and Internet of Things (IoT).

2. Following the two leaders' affirmation of strengthening bilateral cooperation in the field of AI, including disruptive innovations, we, the Ministers concurred that the Federal Republic of Germany and Japan should continue to cooperate in fostering international common understanding on AI ethics, by disseminating our shared values of social principles in the development and utilization of AI at the international fora such as G20 meetings.

3. The Cabinet Office of Japan plans to start a Field Operational Tests (FOTs) in Tokyo Waterfront area from autumn 2019 under the Cross Ministerial Strategic Innovation Promotion Program (SIP) "Automated Driving for Universal Services". We shared the recognition that it is indispensable to promote international cooperation and

standardization activities. We welcome the German-Japanese cooperation with participation from German entities in the above-mentioned FOTs to be conducted in Japan.

4. We also confirmed our intent to start communication on the Research and Development(R&D) cooperation on automated driving in the areas of "cyber security" and "validation, modeling and simulation" in addition to "human factors" and "impact assessment of socio economic benefits."

5. We will strengthen cooperation between the two countries within EU-Japan collaboration in "Moonshot" R&D.

6. We encourage activities for "Open Science" that develops new science frontiers, and expect fruitful discussion in the Open Science Working Group of the G7 Science Ministers' Meeting.

7. The Federal Ministry of Education and Research of Germany and the Cabinet Office of Japan will proceed to continuously exchange views and information on their strategies on AI, bioeconomy and quantum technology, standardization of digital architecture and initiatives for "Smart City" as ideal implementation of Germany's Industry 4.0 and Japan's Society 5.0.

Signed in Tokyo, on April 15, 2019

Anja KARLICZEK

Federal Minister of Education and Research

Takuya HIRAI

Minister of State for Science and Technology Policy